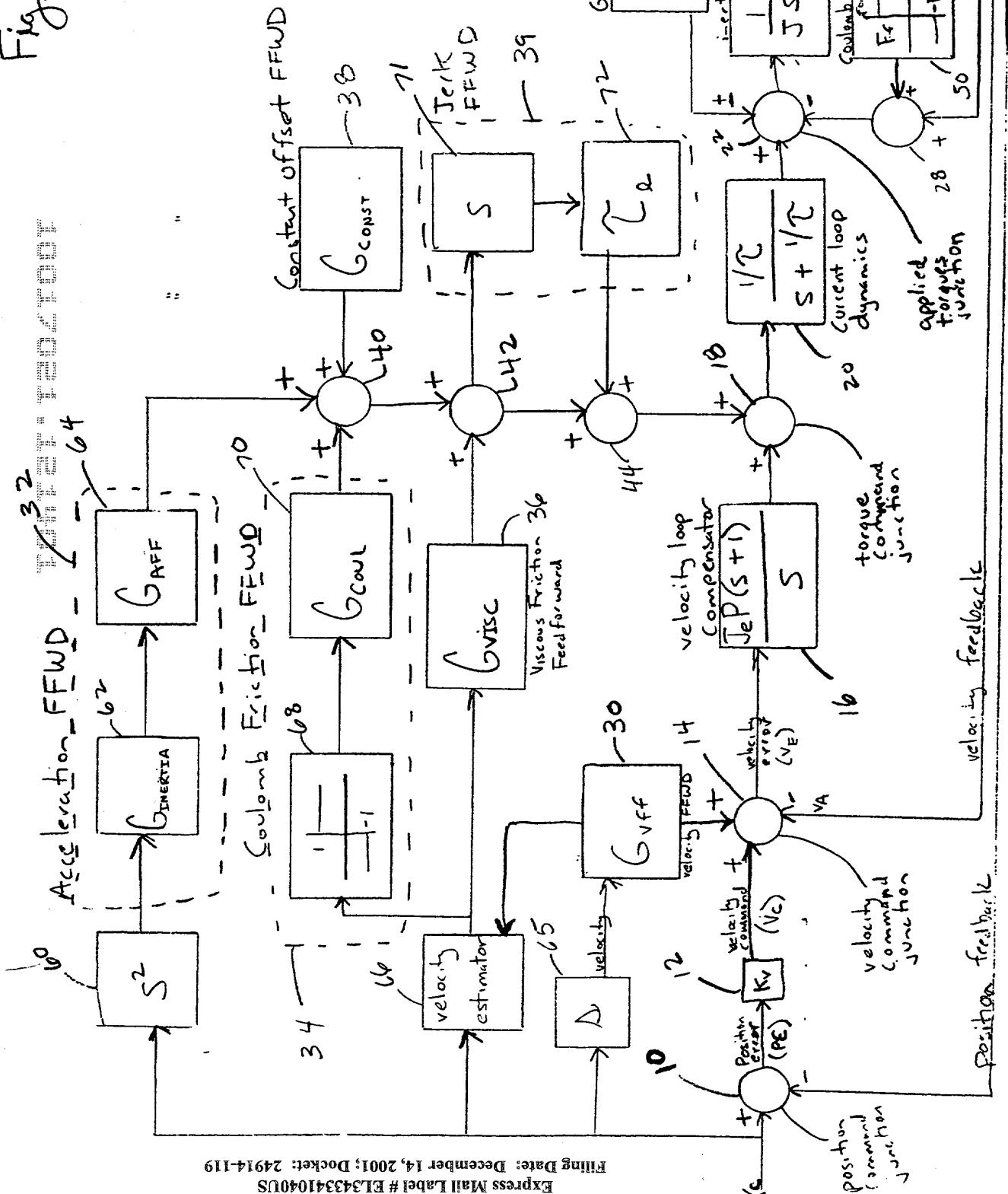
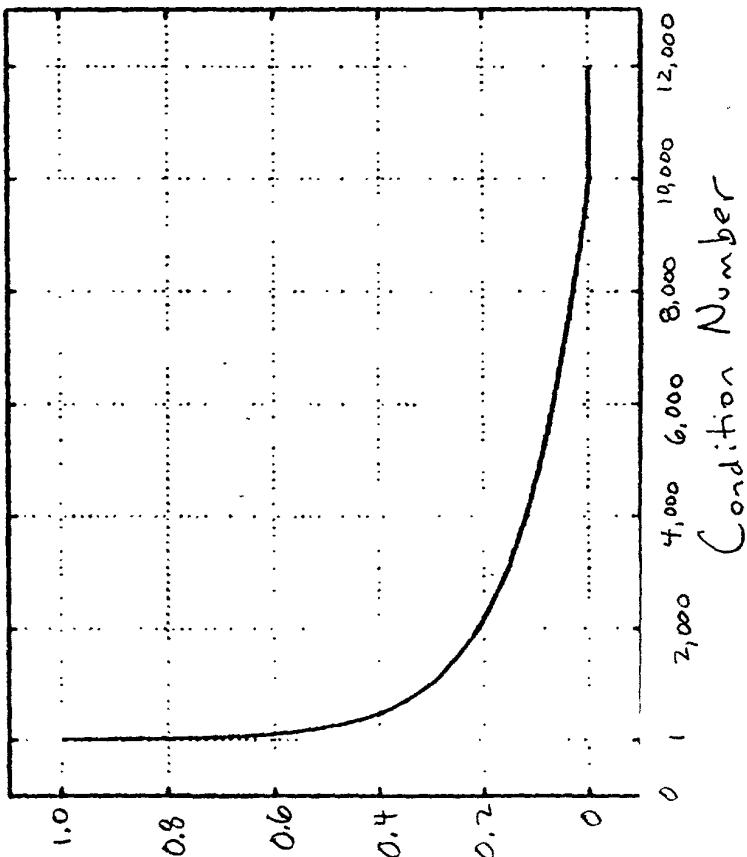


Fig. 1





Title: Method and Apparatus for Tuning Compensation Parameters
 Inventor: Steven J. Utkowitz
 Express Mail Label # EL343341040US
 Filing Date: December 14, 2001; Document 24914-119

Fig. 2

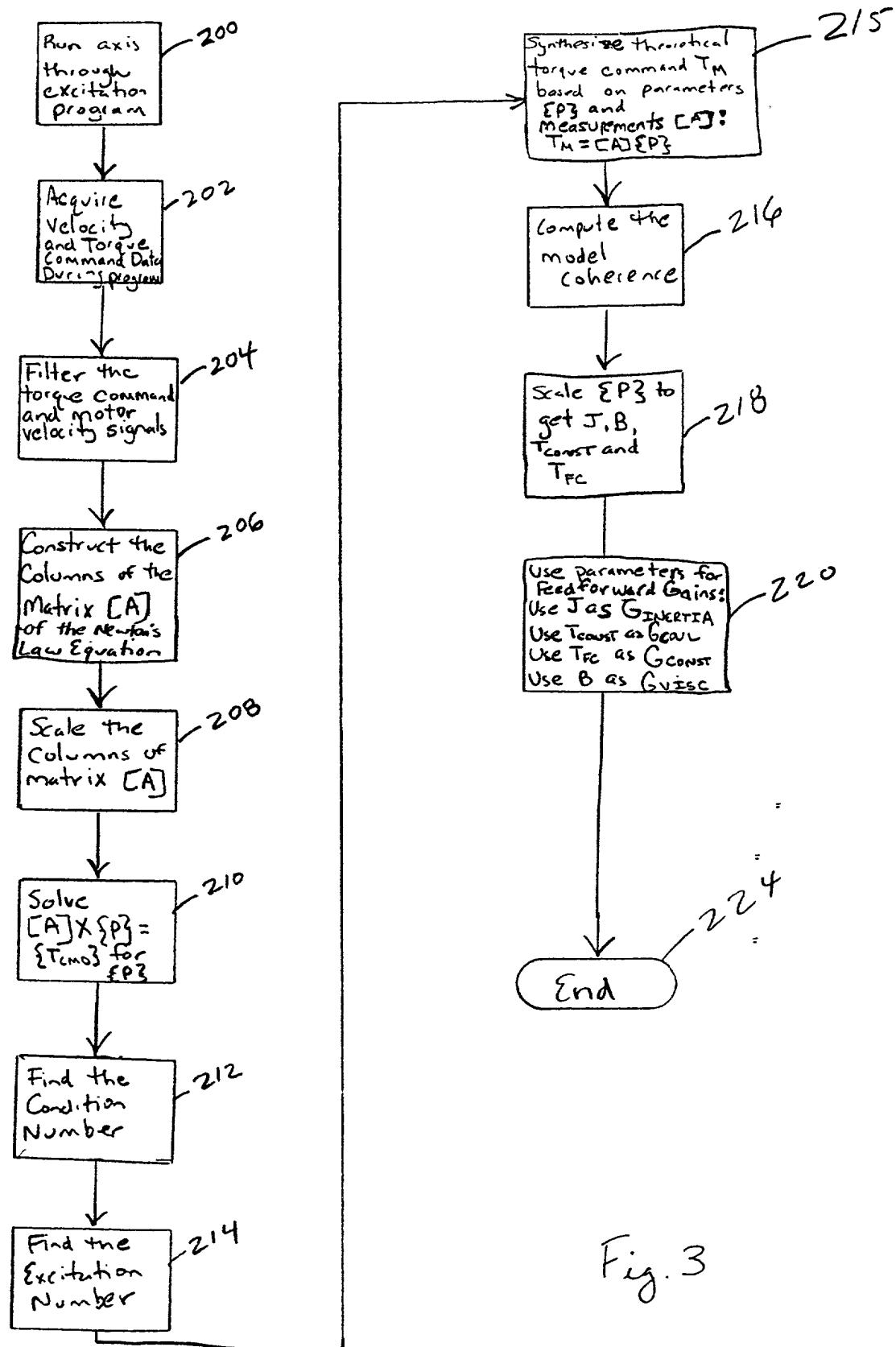


Fig. 3

Title: Method and Apparatus for Tuning Compensation Parameters
Inventor: Steven J. Yutkowitz
Express Mail Label # EL343341040US
Filing Date: December 14, 2001; Docket: 24914-119

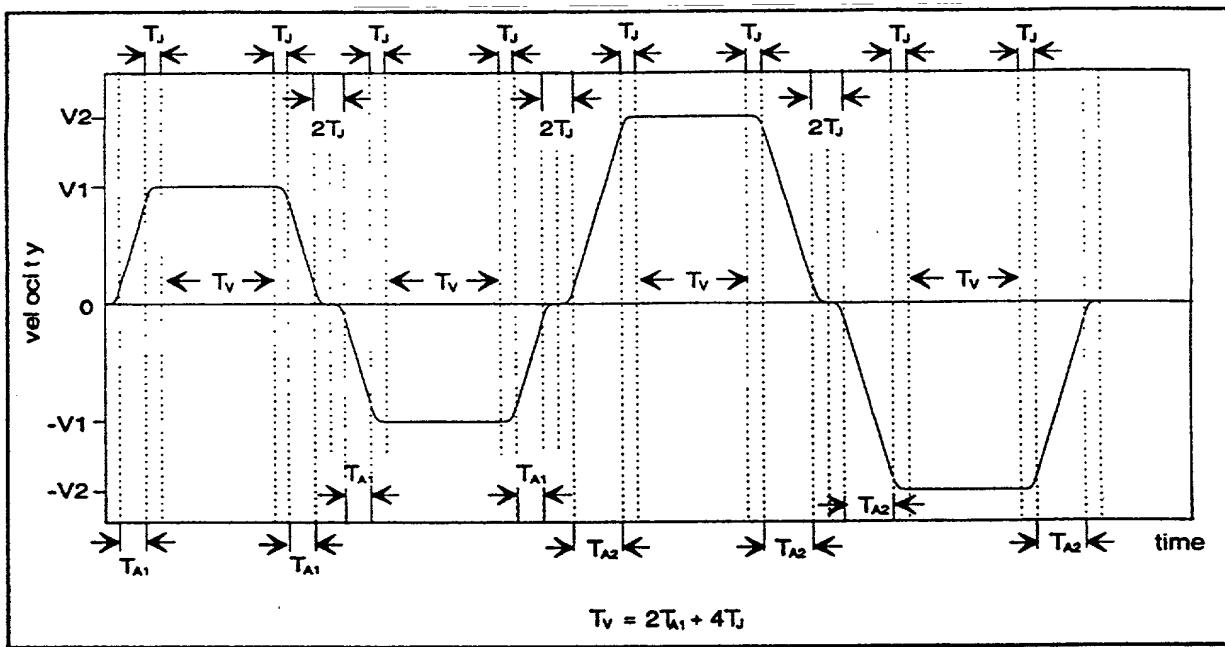


Fig. 4 - Example of Velocity Command Profile Of Excitation Part Program

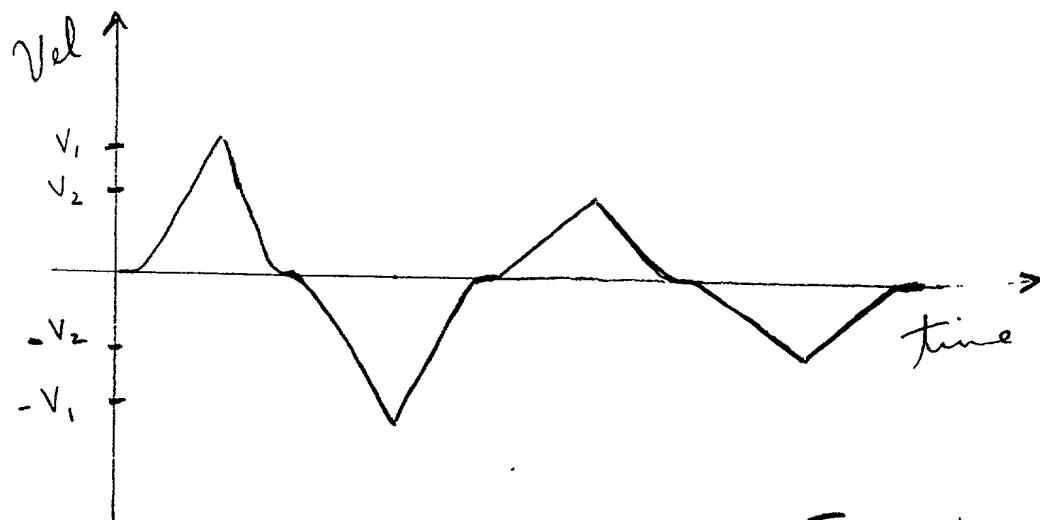


Fig. 5

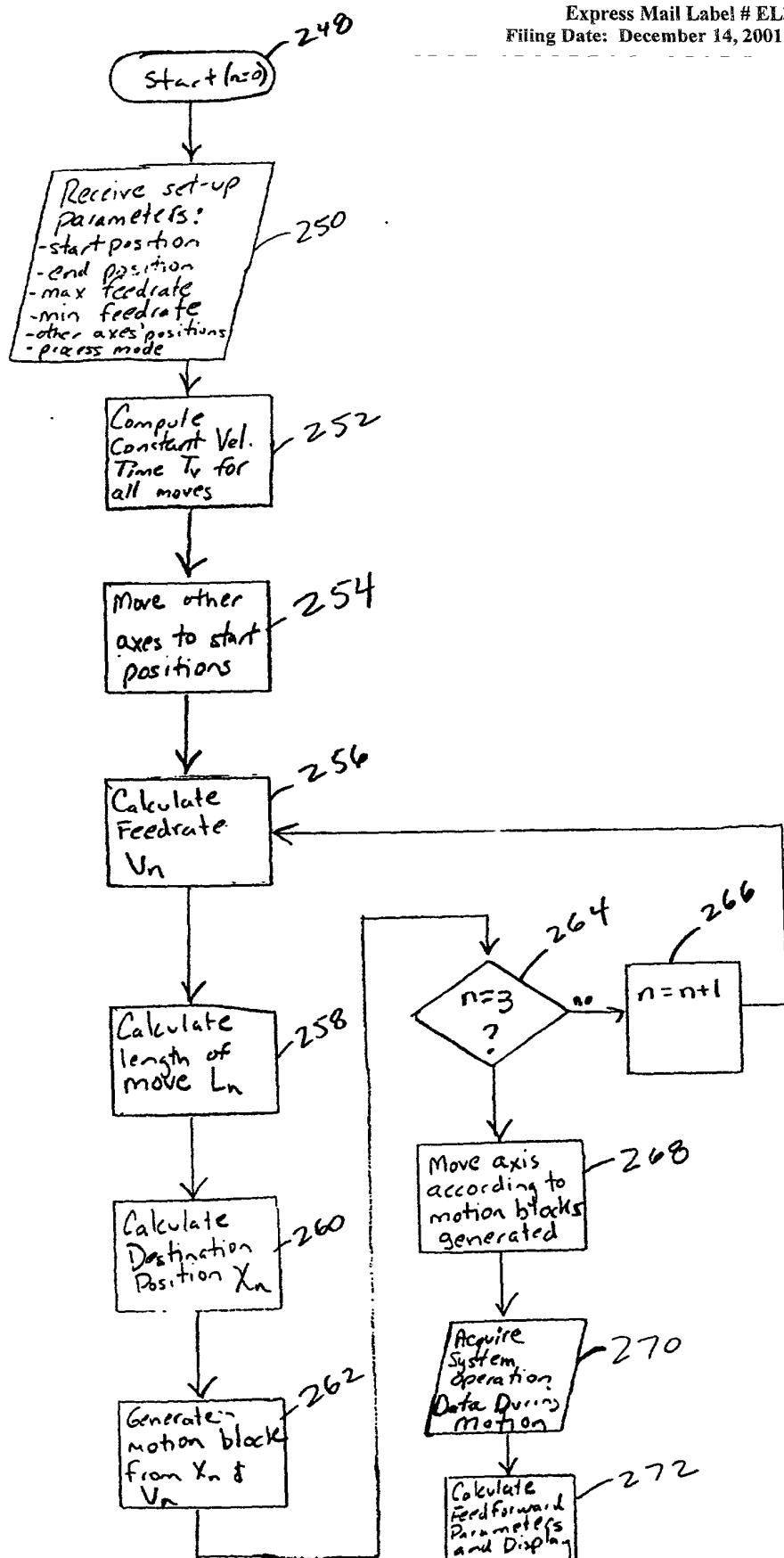


FIG. 6

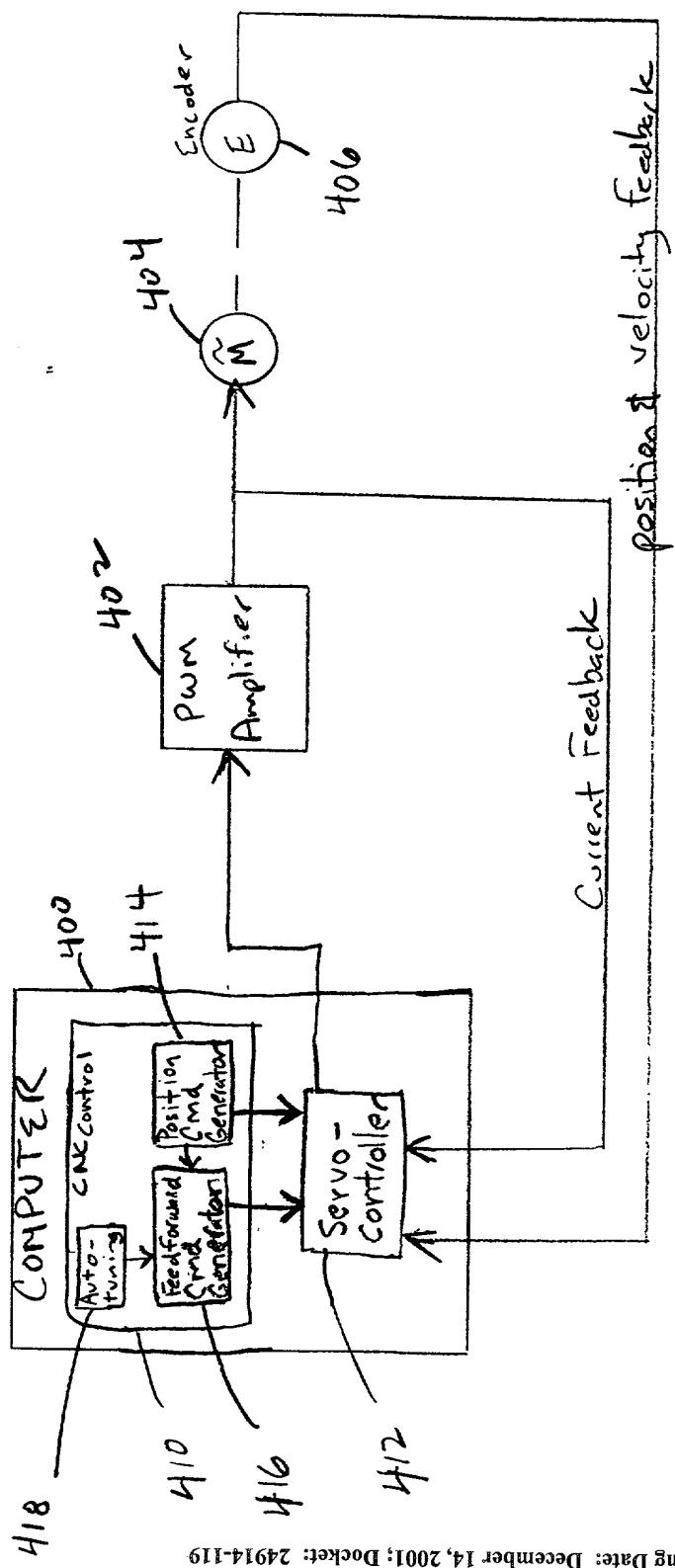


Fig. 7

Title: Method and Apparatus for Tuning Compensation Parameters
 Inventor: Steven J. Yukowski
 Express Mail Label # EL343341040US
 Filing Date: December 14, 2001; Doc#: 24914-119

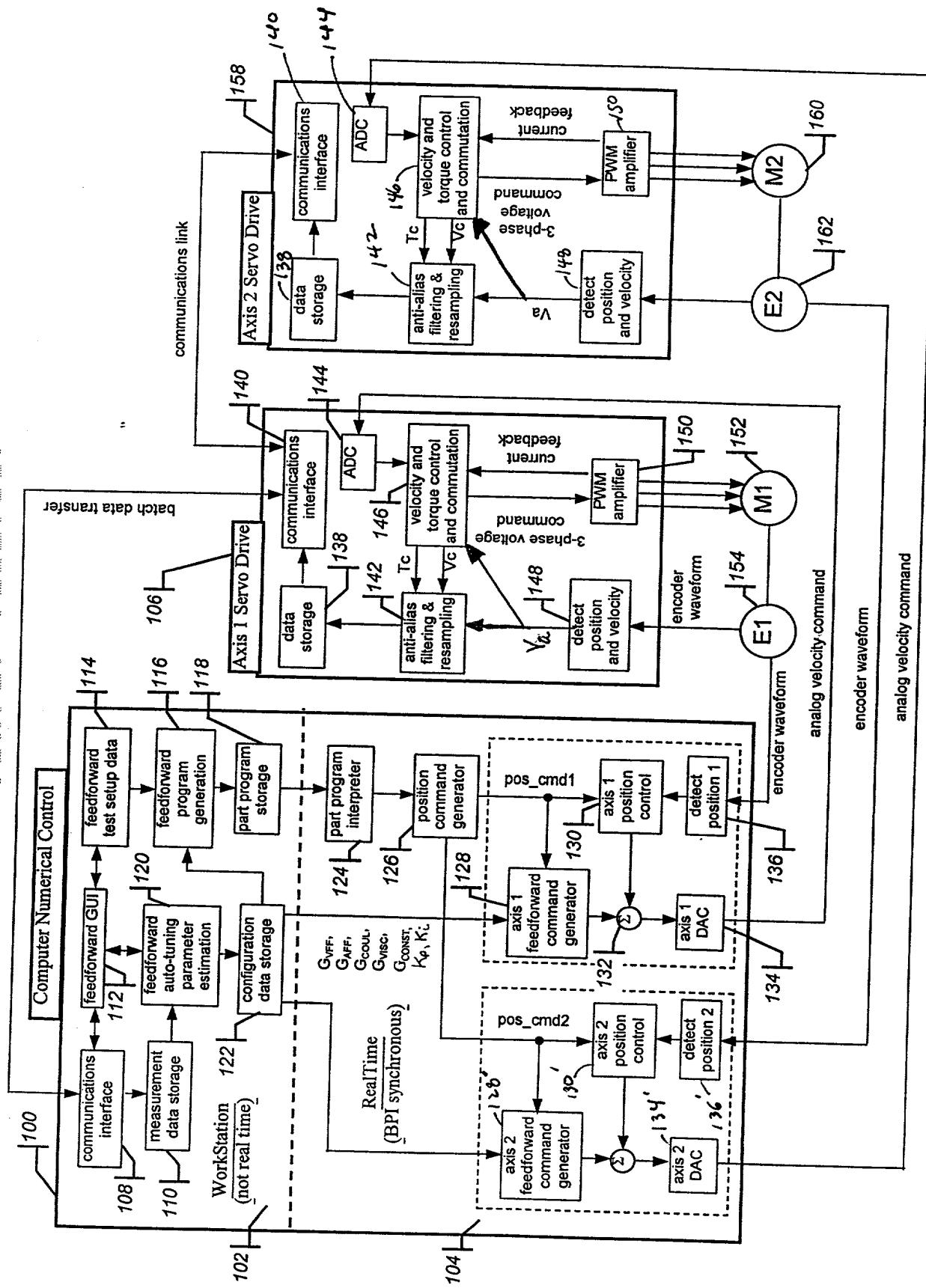


Fig. 8

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Inventor: Steven J. Yutkowitz
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Inventor: Steven J. Yutkowitz

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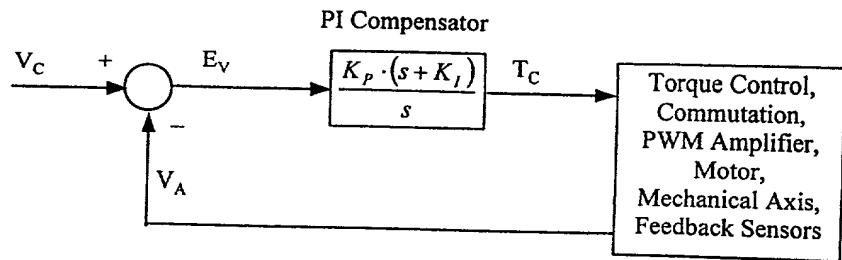


Fig. 9

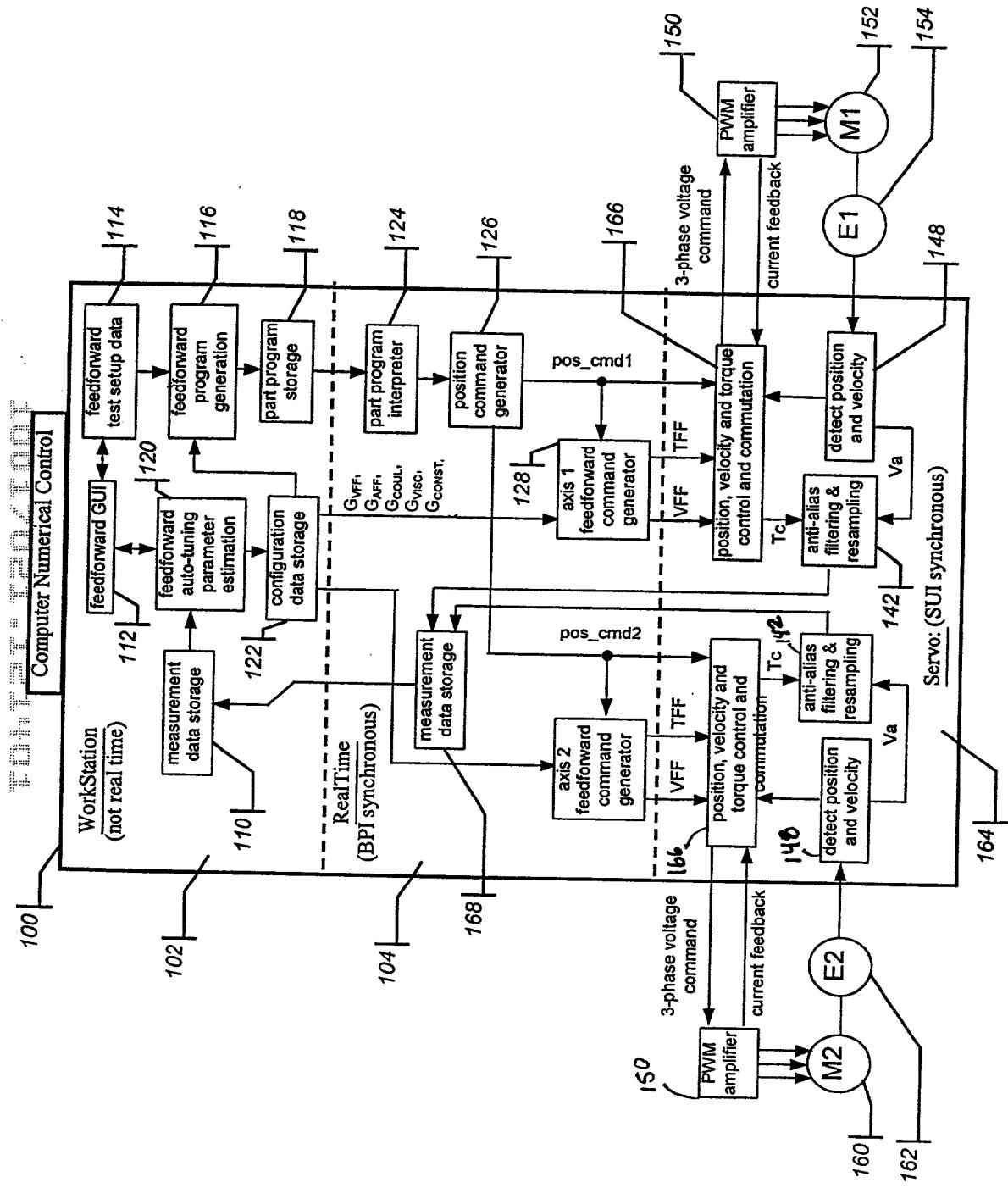


Fig. 10

Title: Method and Apparatus for Tuning Compensation Parameters
Inventor: Steven J. Yutkowitz
Express Mail Label # EL343341040US
Filing Date: December 14, 2001; Docket: 24914-119

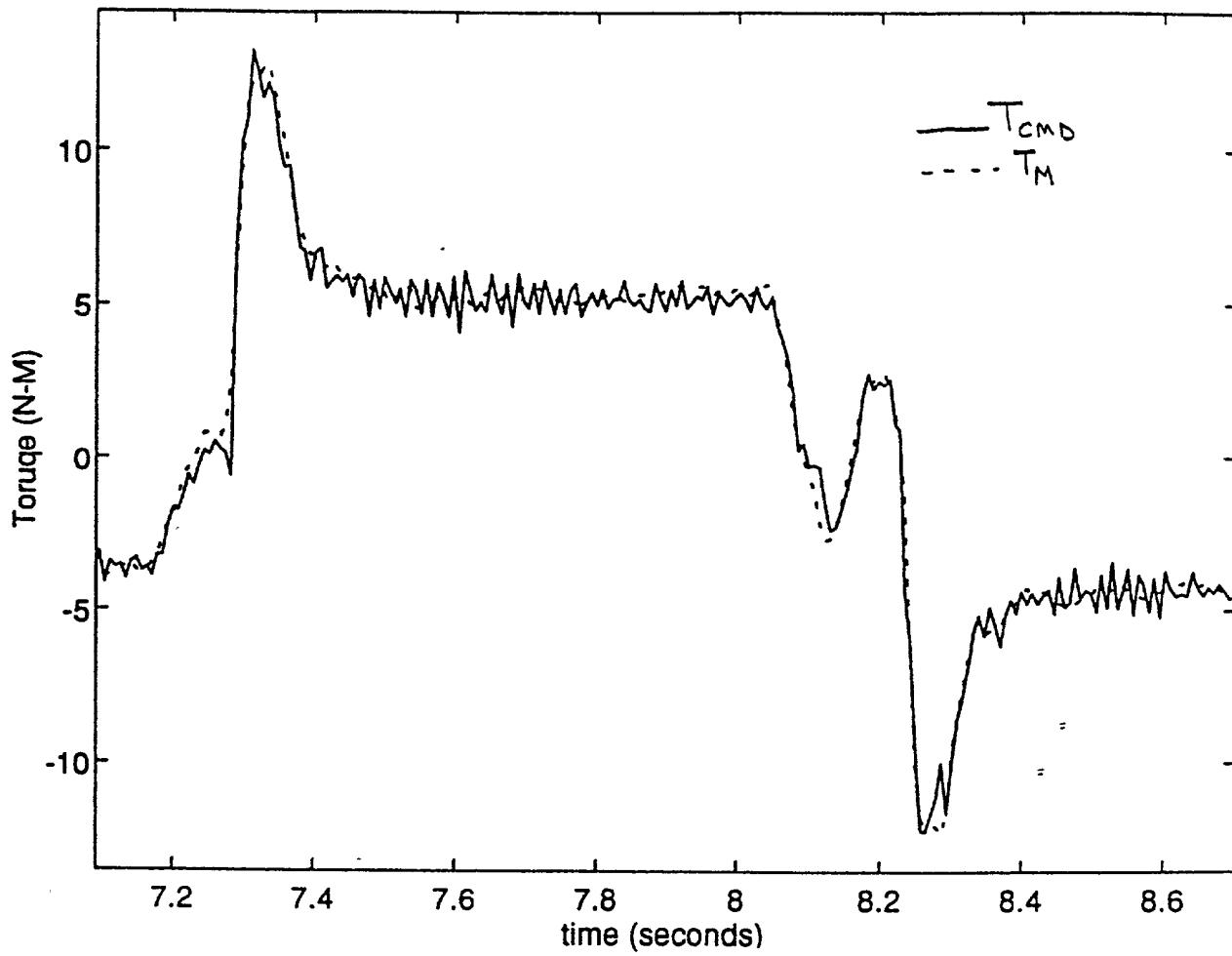


FIG. 11

Title: Method and Apparatus for Tuning Compensation Parameters
Inventor: Steven J. Yutkowitz
Express Mail Label # EL343341040US
Filing Date: December 14, 2001; Docket: 24914-119

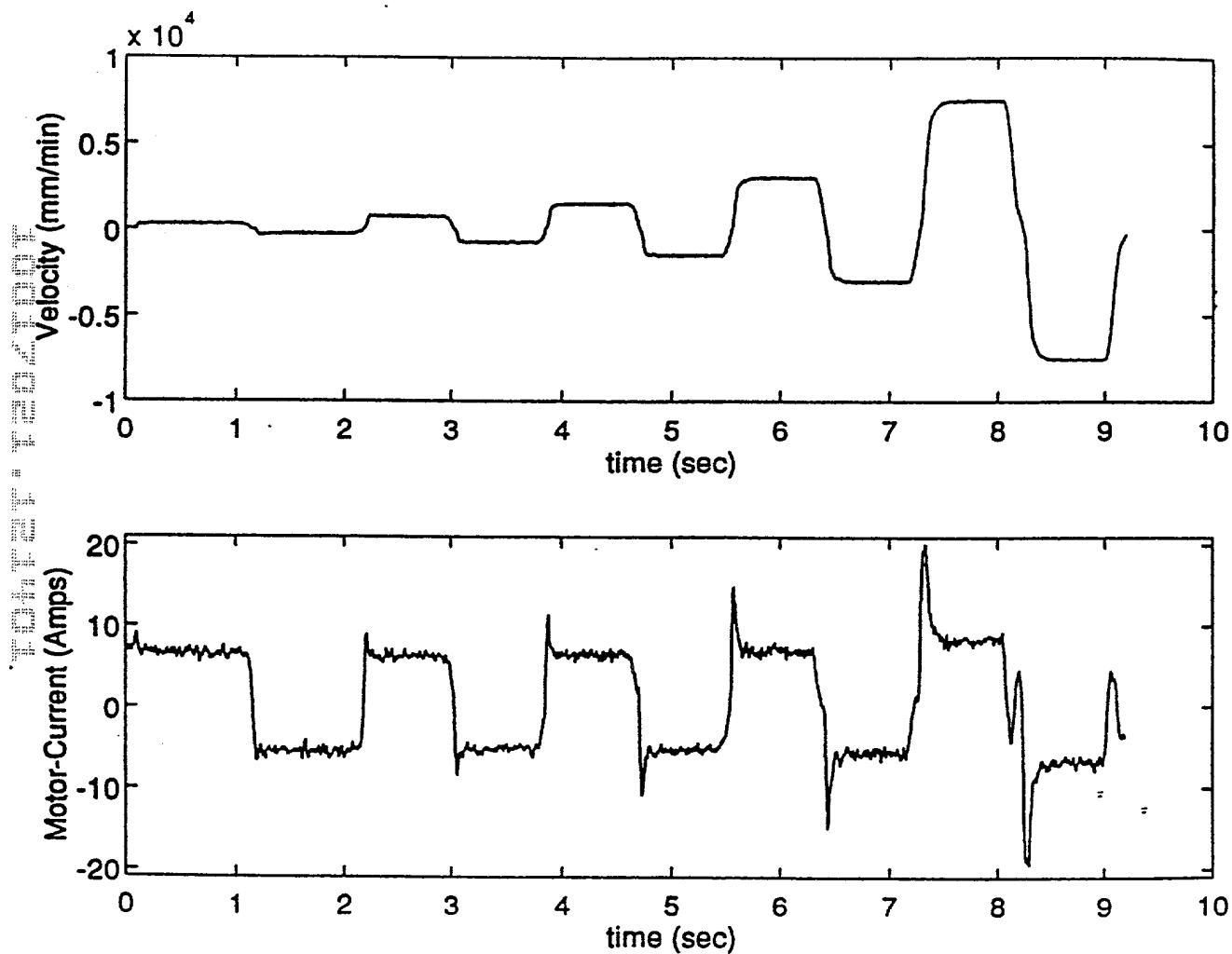


Fig. 12

Title: Method and Apparatus for Tuning Compensation Parameters
Inventor: Steven J. Yutkowitz
Express Mail Label # EL343341040US
Filing Date: December 14, 2001; Docket: 24914-119

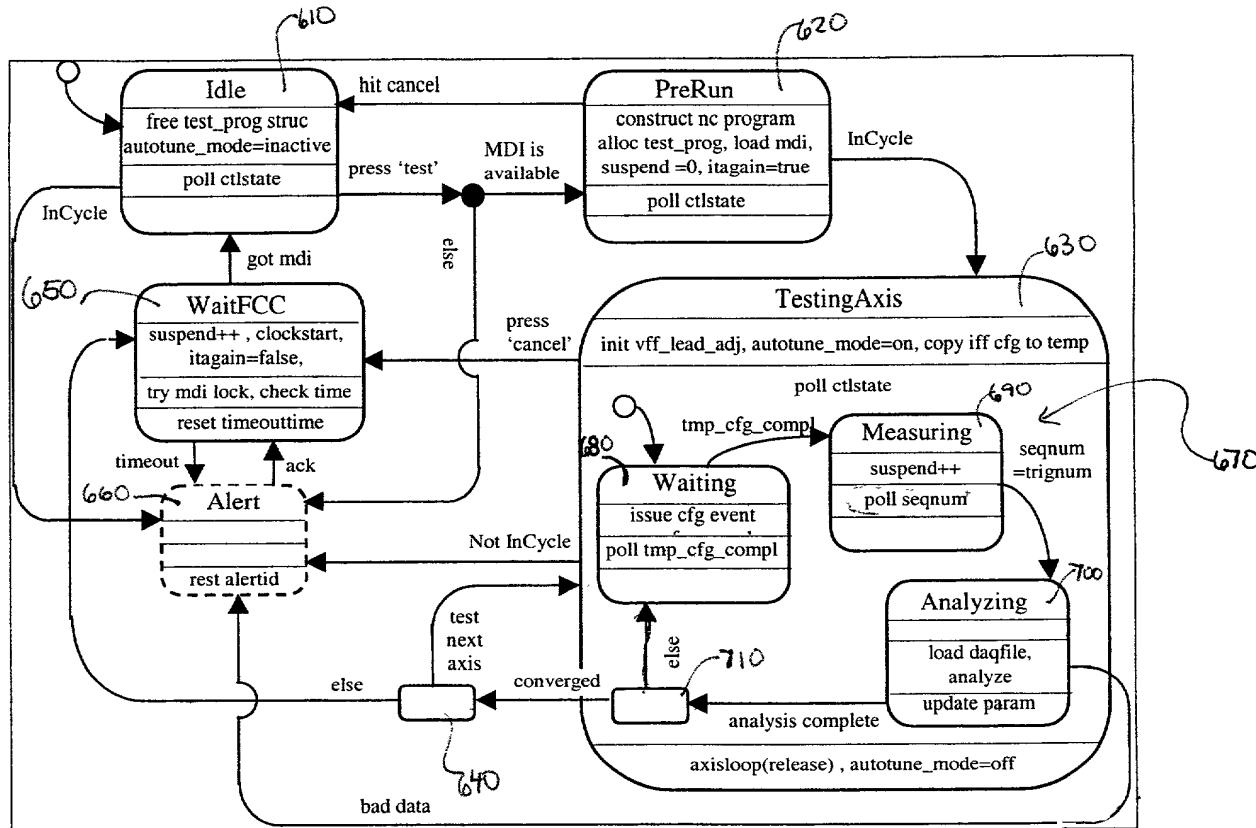


FIG. 13

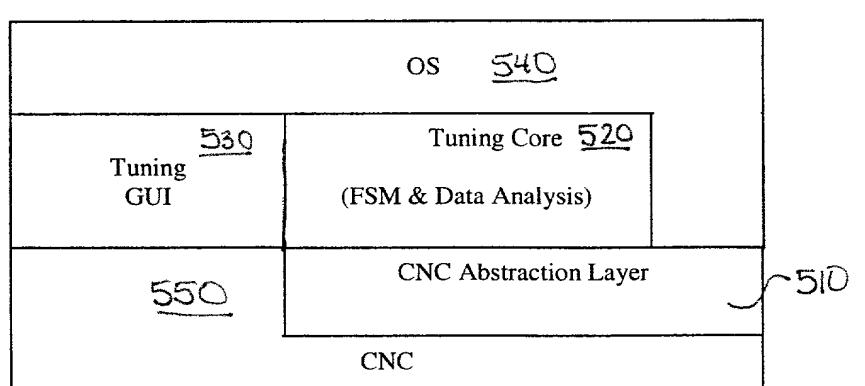


FIG. 13